



Docket No.: 1872.1007C3C (formerly 522.1919-C3C)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Tsuta SHINODA et al.

Serial No. 10/810,815

Group Art Unit: 2879

Filed: March 29, 2004

Examiner: OLANDER GABRIEL D

For: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

**SUBMISSION OF SUPPLEMENTAL DECLARATION**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a Supplemental Declaration For Amendment Presenting Claims For Matter Disclosed But Not Originally Claimed executed by the inventors of the above-identified application.

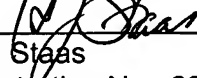
It is requested that the Supplemental Declaration be made of record in the Patent Office.

If any further fees are required in connection with the filing of this Supplemental Declaration, please charge same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: February 7, 2006

By:   
H. J. Steas  
Registration No. 22,010

1201 New York Avenue, NW, Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501



Docket No.: 1872.1007C3C (formerly 522.1919-C3C)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

Tsutae SHINODA et al.

Group Art Unit: 2879

Serial No. 10/810,815

Examiner: OLANDER GABRIEL D

Filed: March 29, 2004

Batch No:

For: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

**SUPPLEMENTAL DECLARATION FOR AMENDMENT PRESENTING  
CLAIMS FOR MATTER DISCLOSED BUT NOT ORIGINALLY CLAIMED**

As a below named inventor in the application for letters patent for an improvement entitled FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE, Serial No. 10/810,815, filed in the United States Patent and Trademark Office on March 29, 2004, I hereby declare that the subject matter of the amendment(s) made to the specification, claims and Abstract and/or drawings of the subject application during prosecution by the Amendments filed on or about August 18, 2004 and January 5, 2005 was part of my invention and was invented before the filing of the original application, above identified, for such invention.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, Abstract and drawings each as amended by the Amendments as referred to above.

I acknowledge the duty under 37 CFR 1.56 to disclose information which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and, further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Tsutae SHINODA

Jan 23, 2006

(Date)

Noriyuki AWAI

Jan. 20, 2006

(Date)

Shinji Kanagu  
Shinji KANAGU

January 23, 2006  
(Date)

Tatsutoshi Kanae  
Tatsutoshi KANAE

January 23, 2006  
(Date)

Masayuki Wakitan  
Masayuki WAKITANI

January 23, 2006  
(Date)

Toshiyuki Nanto  
Toshiyuki NANTO

January 23, 2006  
(Date)

by Father: 宮原 衛 (死亡)  
宮原 武雄  
宮原 衛 (死亡)  
by Mother: 宮原 静子

Mamaru MIYAHARA (deceased)  
(by his joint legal representative and heir,  
his father [Takeo MIYAHARA])  
his mother [Shizuko MIYAHARA])

Jan 30, 2006

Jan 30, 2006  
(Date)



Docket No.: 1872.1007C3C (formerly 522.1919-C3C)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:  
Tsutae SHINODA et al.

Serial No. 10/810,815

Group Art Unit: 2879

Filed: March 29, 2004

Examiner: OLANDER GABRIEL D

For: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

**COMMUNICATION TO EXAMINER**

**MAIL STOP: ISSUE FEE**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

This Communication is being filed to advise of the change of the Assignee in the subject Application Serial No. 10/810,815, filed March 29, 2004 (our Docket No. 1872.1007C3C, formerly 522.1919C3C) from FUJITSU LIMITED to **HITACHI, LTD.**

On December 23, 2005, Applicants filed in the U.S. Patent and Trademark Office, for recordation, an Assignment with Annex-1 and Annex-2, listing all patent applications and patents in which the above change of Assignee had been made, along with a Recordation Cover Sheet.

Attached is a copy of the Notice of Recordation and of the Assignment along with Annex-1, citing therein Serial No. 10/810,815, all as recorded on December 23, 2005 at **Reel 017105** and **Frame 0910** for the subject application.

It is respectfully requested that this change be made of record in the above-referenced application.

Respectfully submitted,

STAAS & HALSEY LLP

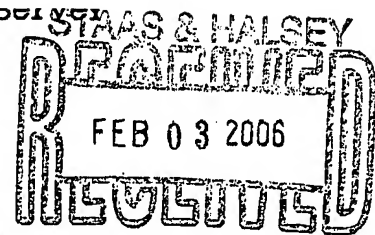
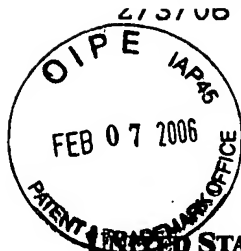
Date: February 7, 2006

By: \_\_\_\_\_

H. J. Steas

Registration No. 22,010

1201 New York Ave, N.W., 7th Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 03, 2006

PTAS

\*700233070A\*

\*700233070A\*

STAAS & HALSEY LLP  
ATTENTION: H. J. STAAS  
1201 NEW YORK AVE., N.W., SUITE 700  
WASHINGTON, D.C. 20005

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

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RECORDATION DATE: 12/23/2005

REEL/FRAME: 017105/0910  
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

FUJITSU LIMITED

DOC DATE: 10/18/2005

## ASSIGNEE:

HITACHI, LTD.  
6-6, MARUNOUCHI 1-CHOME, CHIYODA-  
KU  
TOKYO, JAPAN

SERIAL NUMBER: 09460459

FILING DATE: 12/13/1999

PATENT NUMBER:

ISSUE DATE:

TITLE: COLOR PLASMA DISPLAY PANEL WITH PIXELS OF THREE COLORS HAVING  
ADJUSTABLE LIGHT INTENSITIES

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017105/0910 PAGE 2

SERIAL NUMBER: 09468639  
PATENT NUMBER:  
TITLE: PLASMA DISPLAY PANEL DEVICE

FILING DATE: 12/22/1999  
ISSUE DATE:

SERIAL NUMBER: 09548362  
PATENT NUMBER:  
TITLE: DISPLAY DRIVING METHOD AND APPARATUS

FILING DATE: 04/12/2000  
ISSUE DATE:

SERIAL NUMBER: 09593424  
PATENT NUMBER:  
TITLE: PLASMA DISPLAY PANEL WITH CONSTANT COLOR TEMPERATURE OR COLOR  
DEVIATION

FILING DATE: 06/14/2000  
ISSUE DATE:

SERIAL NUMBER: 09776930  
PATENT NUMBER:  
TITLE: PLASMA DISPLAY PANEL AND ITS MANUFACTURING METHOD

FILING DATE: 08/12/1999  
ISSUE DATE:

SERIAL NUMBER: 09788919  
PATENT NUMBER:  
TITLE: PAUL, A G-PROTEIN COUPLED RECEPTOR

FILING DATE: 02/20/2001  
ISSUE DATE:

SERIAL NUMBER: 09818499  
PATENT NUMBER: 6888310  
TITLE: PLASMA DISPLAY PANEL AND PROCESS FOR MANUFACTURING ITS SUBSTRATE  
STRUCTURE

FILING DATE: 03/28/2001  
ISSUE DATE: 05/03/2005

SERIAL NUMBER: 09875284  
PATENT NUMBER: 6906706  
TITLE: DRIVING METHOD OF DISPLAY PANEL AND DISPLAY DEVICE

FILING DATE: 06/07/2001  
ISSUE DATE: 06/14/2005

SERIAL NUMBER: 09951749  
PATENT NUMBER: RE38819  
TITLE: SURFACE DISCHARGE TYPE PLASMA DISPLAY PANEL DIVIDED INTO A  
PLURALITY OF SUB-SCREENS

FILING DATE: 09/14/2001  
ISSUE DATE: 10/11/2005

SERIAL NUMBER: 09966510  
PATENT NUMBER: 6965359  
TITLE: METHOD OF DRIVING PLASMA DISPLAY PANEL BY APPLYING DISCHARGE  
SUSTAINING PULSES

FILING DATE: 09/28/2001  
ISSUE DATE: 11/15/2005

SERIAL NUMBER: 09974806  
PATENT NUMBER:  
TITLE: FLAT DISPLAY PANEL HAVING INTERNAL POWER SUPPLY CIRCUIT FOR  
REDUCING POWER CONSUMPTION

FILING DATE: 10/12/2001  
ISSUE DATE:

SERIAL NUMBER: 09989117  
PATENT NUMBER: 6924778  
TITLE: METHOD AND DEVICE FOR IMPLEMENTING SUBFRAME DISPLAY TO REDUCE THE  
PSEUDO CONTOUR IN PLASMA DISPLAY PANELS

FILING DATE: 11/21/2001  
ISSUE DATE: 08/02/2005

SERIAL NUMBER: 10028367

FILING DATE: 12/28/2001

TITLE: METHOD AND DEVICE FOR DRIVING PLASMA DISPLAY PANEL

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017105/0910 PAGE 3

SERIAL NUMBER: 10028442  
PATENT NUMBER: 6882114  
TITLE: PLASMA DISPLAY PANEL

FILING DATE: 12/28/2001  
ISSUE DATE: 04/19/2005

SERIAL NUMBER: 10057870  
PATENT NUMBER: 6909441  
TITLE: METHOD AND DEVICE FOR DISPLAYING IMAGE

FILING DATE: 01/29/2002  
ISSUE DATE: 06/21/2005

SERIAL NUMBER: 10188858  
PATENT NUMBER: 6982685  
TITLE: METHOD FOR DRIVING A GAS ELECTRIC DISCHARGE DEVICE

FILING DATE: 07/05/2002  
ISSUE DATE: 01/03/2006

SERIAL NUMBER: 10345337  
PATENT NUMBER: 6914585  
TITLE: METHOD FOR DRIVING THREE-ELECTRODE SURFACE DISCHARGE AC TYPE PLASMA DISPLAY PANEL

FILING DATE: 01/16/2003  
ISSUE DATE: 07/05/2005

SERIAL NUMBER: 10347411  
PATENT NUMBER:  
TITLE: DATA CONVERSION CIRCUIT AND COLOR IMAGE DISPLAY APPARATUS

FILING DATE: 01/21/2003  
ISSUE DATE:

SERIAL NUMBER: 10386664  
PATENT NUMBER:  
TITLE: GREEN PHOSPHOR AND DEVICE USING THE SAME

FILING DATE: 03/13/2003  
ISSUE DATE:

SERIAL NUMBER: 10438199  
PATENT NUMBER:  
TITLE: METHOD FOR MANUFACTURING SUBSTRATE FOR FLAT PANEL DISPLAY

FILING DATE: 05/15/2003  
ISSUE DATE:

SERIAL NUMBER: 10453488  
PATENT NUMBER:  
TITLE: SURFACE DISCHARGE TYPE PLASMA DISPLAY PANEL DIVIDED INTO A PLURALITY OF SUB-SCREENS

FILING DATE: 06/04/2003  
ISSUE DATE:

SERIAL NUMBER: 10459608  
PATENT NUMBER:  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

FILING DATE: 06/12/2003  
ISSUE DATE:

SERIAL NUMBER: 10459610  
PATENT NUMBER:  
TITLE: METHOD AND DEVICE FOR DRIVING PLASMA DISPLAY PANEL

FILING DATE: 06/12/2003  
ISSUE DATE:

SERIAL NUMBER: 10617227  
PATENT NUMBER:  
TITLE: SUBSTRATE ASSEMBLY FOR GAS DISCHARGE PANEL HAVING DIELECTRIC LAYER COMPRISING LAMINATE OF ORGANIC DIELECTRIC LAYER AND INORGANIC DIELECTRIC LAYER, AND GAS DISCHARGE PANEL

FILING DATE: 07/11/2003  
ISSUE DATE:

SERIAL NUMBER: 10634830

FILING DATE: 08/06/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

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SERIAL NUMBER: 10642180

FILING DATE: 08/18/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: PLASMA DISPLAY APPARATUS AND METHOD OF DRIVING A PLASMA DISPLAY PANEL

SERIAL NUMBER: 10698408

FILING DATE: 11/03/2003

PATENT NUMBER: 6921310

ISSUE DATE: 07/26/2005

TITLE: GAS-DISCHARGE DISPLAY PANEL AND PROCESS FOR MANUFACTURING THE DISPLAY PANEL

SERIAL NUMBER: 10748328

FILING DATE: 12/31/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10765854

FILING DATE: 01/29/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10799663

FILING DATE: 03/15/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR DRIVING A PLASMA DISPLAY PANEL

SERIAL NUMBER: 10807335

FILING DATE: 03/24/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 10810661

FILING DATE: 03/29/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: PLASMA DISPLAY PANEL AND METHOD FOR FABRICATING THE SAME

SERIAL NUMBER: 10810815

FILING DATE: 03/29/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 10814284

FILING DATE: 04/01/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: IMAGE DISPLAY APPARATUS HAVING DELTA ARRANGEMENT TYPE SCREEN AND IMAGE CONVERSION METHOD FOR DISPLAY

SERIAL NUMBER: 10846754

FILING DATE: 05/17/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: DISPLAY DRIVING METHOD AND APPARATUS



PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10898335 FILING DATE: 07/26/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD OF FORMING ELECTRODE FOR FLAT DISPLAY PANEL

SERIAL NUMBER: 10902813 FILING DATE: 08/02/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

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SERIAL NUMBER: 10968274 FILING DATE: 10/20/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: MATERIAL FOR MANUFACTURING DISPLAY PANEL SUBSTRATE ASSEMBLY AND  
PROCESS FOR MANUFACTURING DISPLAY PANEL SUBSTRATE ASSEMBLY

SERIAL NUMBER: 10999060 FILING DATE: 11/30/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10999068 FILING DATE: 11/30/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10999076 FILING DATE: 11/30/2004  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 11089351 FILING DATE: 03/25/2005  
PATENT NUMBER: ISSUE DATE:  
TITLE: PHOSPHOR AND DEVICE USING THE SAME

SERIAL NUMBER: FILING DATE:  
PATENT NUMBER: 0188760 ISSUE DATE:  
TITLE:

SERIAL NUMBER: FILING DATE:  
PATENT NUMBER: 0384371 ISSUE DATE:  
TITLE:

SERIAL NUMBER: 09012546 FILING DATE: 01/23/1998  
PATENT NUMBER: 6057643 ISSUE DATE: 05/02/2000  
TITLE: DISCHARGE GAS MIXTURE FOR A FLUORESCENT GAS-DISCHARGE PLASMA  
DISPLAY PANEL

SERIAL NUMBER: 09017669 FILING DATE: 02/03/1998  
PATENT NUMBER: 6054970 ISSUE DATE: 04/25/2000  
TITLE: METHOD FOR DRIVING AN AC-DRIVEN PDP

SERIAL NUMBER: 09035923 FILING DATE: 03/06/1998

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TITLE: PLASMA DISPLAY DEVICE

SERIAL NUMBER: 09039243

FILING DATE: 03/16/1998

PATENT NUMBER: 6020687

ISSUE DATE: 02/01/2000

TITLE: METHOD FOR DRIVING A PLASMA DISPLAY PANEL

SERIAL NUMBER: 09042849

FILING DATE: 03/17/1998

PATENT NUMBER: 6012388

ISSUE DATE: 01/11/2000

TITLE: SCREEN PRINTING METHOD AND SCREEN PRINTING APPARATUS

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017105/0910 PAGE 6

SERIAL NUMBER: 09045043

FILING DATE: 03/20/1998

PATENT NUMBER: 6097358

ISSUE DATE: 08/01/2000

TITLE: AC PLASMA DISPLAY WITH PRECISE RELATIONSHIPS IN REGARDS TO ORDER  
AND VALUE OF THE WEIGHTED LUMINANCE OF SUB-FIELDS WITH IN THE SUB-  
GROUPS AND ERASE ADDRESSING IN ALL ADDRESS PERIODS

SERIAL NUMBER: 09046569

FILING DATE: 03/24/1998

PATENT NUMBER: 6211614

ISSUE DATE: 04/03/2001

TITLE: ELECTRODE STRUCTURE OF AN AC TYPE PLASMA DISPLAY PANEL

SERIAL NUMBER: 09052926

FILING DATE: 04/01/1998

PATENT NUMBER: 6242859

ISSUE DATE: 06/05/2001

TITLE: PLASMA DISPLAY PANEL AND METHOD OF MANUFACTURING SAME

SERIAL NUMBER: 09069145

FILING DATE: 04/29/1998

PATENT NUMBER: 6400342

ISSUE DATE: 06/04/2002

TITLE: MEHTOD OF DRIVING A PLASMA DISPLAY PANEL BEFORE ERASE ADDRESSING

SERIAL NUMBER: 09078443

FILING DATE: 05/14/1998

PATENT NUMBER: 5967872

ISSUE DATE: 10/19/1999

TITLE: METHOD FOR FABRICATION OF A PLASMA DISPLAY PANEL

SERIAL NUMBER: 08892264

FILING DATE: 07/14/1997

PATENT NUMBER: 6344713

ISSUE DATE: 02/05/2002

TITLE: PLASMA DISPLAY PANEL WITH DIELECTRIC LAYER SUPPRESSING REDUCED  
ELECTRODE CONDUCTIVITY

SERIAL NUMBER: 09082935

FILING DATE: 05/22/1998

PATENT NUMBER: 5989089

ISSUE DATE: 11/23/1999

TITLE: METHOD OF FABRICATING SEPARATOR WALLS OF PLASMA DISPLAY PANEL

SERIAL NUMBER: 09087503

FILING DATE: 05/29/1998

PATENT NUMBER: 6236159

ISSUE DATE: 05/22/2001

TITLE: GAS DISCHARGE PANEL HAVING GAS FLOW BARRIERS AND EVACUATION METHOD  
THEREOF

SERIAL NUMBER: 09088679 FILING DATE: 06/02/1998  
PATENT NUMBER: 6050107 ISSUE DATE: 04/18/2000  
TITLE: METHOD OF FORMING BARRIER RIBS FOR DISPLAY PANELS

SERIAL NUMBER: 09013538 FILING DATE: 01/26/1998  
PATENT NUMBER: 6522314 ISSUE DATE: 02/18/2003  
TITLE: FLAT DISPLAY PANEL HAVING INTERNAL POWER SUPPLY CIRCUIT FOR  
REDUCING POWER CONSUMPTION

SERIAL NUMBER: 09096569 FILING DATE: 06/12/1998  
PATENT NUMBER: 6157128 ISSUE DATE: 12/05/2000  
TITLE: PLASMA DISPLAY PANEL HAVING COMB SHAPED ELECTRODE WITH TEETH OF  
SPECIFIC PITCH

SERIAL NUMBER: 09115911 FILING DATE: 07/15/1998  
PATENT NUMBER: 6512501 ISSUE DATE: 01/28/2003  
TITLE: METHOD AND DEVICE FOR DRIVING PLASMA DISPLAY

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SERIAL NUMBER: 09119592 FILING DATE: 07/21/1998  
PATENT NUMBER: 6538380 ISSUE DATE: 03/25/2003  
TITLE: PLASMA DISPLAY PANELS WITH CONVEX SURFACE

SERIAL NUMBER: 09135101 FILING DATE: 08/17/1998  
PATENT NUMBER: 6531995 ISSUE DATE: 03/11/2003  
TITLE: PLASMA DISPLAY PANEL, METHOD OF DRIVING SAME AND PLASMA DISPLAY  
APPARATUS

SERIAL NUMBER: 09160292 FILING DATE: 09/25/1998  
PATENT NUMBER: 6603446 ISSUE DATE: 08/05/2003  
TITLE: PLASMA DISPLAY DEVICE

SERIAL NUMBER: 09181648 FILING DATE: 10/29/1998  
PATENT NUMBER: 6636187 ISSUE DATE: 10/21/2003  
TITLE: DISPLAY AND METHOD OF DRIVING THE DISPLAY CAPABLE OF REDUCING  
CURRENT AND POWER CONSUMPTION WITHOUT DETERIORATING QUALITY OF  
DISPLAYED IMAGES

SERIAL NUMBER: 09236581 FILING DATE: 01/26/1999  
PATENT NUMBER: 6337538 ISSUE DATE: 01/08/2002  
TITLE: PLASMA DISPLAY PANEL HAVING DIELECTRIC LAYER WITH MATERIAL OF BUS  
ELECTRODE

SERIAL NUMBER: 09243682 FILING DATE: 02/03/1999  
PATENT NUMBER: 6727869 ISSUE DATE: 04/27/2004  
TITLE: DISPLAY PANEL AND ITS DRIVING METHOD

SERIAL NUMBER: 09250433 FILING DATE: 02/16/1999  
PATENT NUMBER: 6326938 ISSUE DATE: 12/04/2001  
TITLE: POWER CONSUMPTION CONTROL IN DISPLAY UNIT

NOT AVAILABLE COPY

SERIAL NUMBER: 09257199 FILING DATE: 02/25/1999  
PATENT NUMBER: 6495957 ISSUE DATE: 12/17/2002  
TITLE: PLASMA DISPLAY PANEL WITH VARIOUS ELECTRODE PROJECTION  
CONFIGURATIONS

SERIAL NUMBER: 09261961 FILING DATE: 03/03/1999  
PATENT NUMBER: 6489939 ISSUE DATE: 12/03/2002  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL AND APPARATUS FOR DRIVING  
THE SAME

SERIAL NUMBER: 09282190 FILING DATE: 03/31/1999  
PATENT NUMBER: 6278422 ISSUE DATE: 08/21/2001  
TITLE: METHOD OF DRIVING PLASMA DISPLAY PANEL AND DISPLAY APPARATUS

SERIAL NUMBER: 09289579 FILING DATE: 04/12/1999  
PATENT NUMBER: 6450849 ISSUE DATE: 09/17/2002  
TITLE: METHOD OF MANUFACTURING DISCHARGE DISPLAY DEVICES USING PLASMA  
ENHANCED VAPOR DEPOSITION

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017105/0910 PAGE 8

SERIAL NUMBER: 09289583 FILING DATE: 04/12/1999  
PATENT NUMBER: 6600265 ISSUE DATE: 07/29/2003  
TITLE: PLASMA DISPLAY PANEL HAVING A DIELECTRIC LAYER OF A REDUCED THICKNESS IN A SEALING PORTION

SERIAL NUMBER: 09290222 FILING DATE: 04/13/1999  
PATENT NUMBER: 6200182 ISSUE DATE: 03/13/2001  
TITLE: METHOD FOR MANUFACTURING A SURFACE DISCHARGE PLASMA DISPLAY PANEL

SERIAL NUMBER: 09310204 FILING DATE: 05/12/1999  
PATENT NUMBER: 6608609 ISSUE DATE: 08/19/2003  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 09313377 FILING DATE: 05/18/1999  
PATENT NUMBER: 6496164 ISSUE DATE: 12/17/2002  
TITLE: PLASMA DISPLAY DEVICE AND METHOD OF DRIVING PLASMA DISPLAY PANEL, HAVING FIRST AND SECOND REPRESENTING UNITS

SERIAL NUMBER: 09334623 FILING DATE: 06/17/1999  
PATENT NUMBER: 6707436 ISSUE DATE: 03/16/2004  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 09339199 FILING DATE: 06/24/1999  
PATENT NUMBER: 6827623 ISSUE DATE: 12/07/2004  
TITLE: MANUFACTURING METHOD OF PLASMA DISPLAY PANELS

SERIAL NUMBER: 09348162 FILING DATE: 07/07/1999  
PATENT NUMBER: 6559814 ISSUE DATE: 05/06/2003  
TITLE: DRIVING PLASMA DISPLAY PANEL WITHOUT VISIBLE FLICKERING

SERIAL NUMBER: 09375007 FILING DATE: 08/16/1999  
PATENT NUMBER: 6847415 ISSUE DATE: 01/25/2005  
TITLE: FLAT DISPLAY UNIT AND METHOD FABRICATING SAME

SERIAL NUMBER: 09421402 FILING DATE: 10/21/1999  
PATENT NUMBER: 6429834 ISSUE DATE: 08/06/2002  
TITLE: PLASMA DISPLAY DEVICE

SERIAL NUMBER: 09427934 FILING DATE: 10/27/1999  
PATENT NUMBER: 6680718 ISSUE DATE: 01/20/2004  
TITLE: METHOD FOR DRIVING A GAS-DISCHARGE PANEL

SERIAL NUMBER: 09434114 FILING DATE: 11/05/1999  
PATENT NUMBER: 6498593 ISSUE DATE: 12/24/2002  
TITLE: PLASMA DISPLAY PANEL AND DRIVING METHOD THEREOF

SERIAL NUMBER: 09435856 FILING DATE: 11/08/1999  
PATENT NUMBER: 6249265 ISSUE DATE: 06/19/2001  
TITLE: INTRAFRAME TIME-DIVISION MULTIPLEXING TYPE DISPLAY DEVICE AND A METHOD OF DISPLAYING GRAY-SCALES IN AN INTRAFRAME TIME-DIVISION MULTIPLEXING TYPE DISPLAY DEVICE

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017105/0910 PAGE 9

SERIAL NUMBER: 09438783 FILING DATE: 11/12/1999  
PATENT NUMBER: 6452590 ISSUE DATE: 09/17/2002  
TITLE: METHOD AND DEVICE FOR DRIVING A DISPLAY PANEL

SERIAL NUMBER: 09440704 FILING DATE: 11/16/1999  
PATENT NUMBER: 6836261 ISSUE DATE: 12/28/2004  
TITLE: PLASMA DISPLAY DRIVING METHOD AND APPARATUS

SERIAL NUMBER: 09451351 FILING DATE: 12/03/1999  
PATENT NUMBER: 6630916 ISSUE DATE: 10/07/2003  
TITLE: METHOD AND A CIRCUIT FOR GRADATIONALLY DRIVING A FLAT DISPLAY DEVICE

SERIAL NUMBER: 09458809 FILING DATE: 12/10/1999  
PATENT NUMBER: 6535224 ISSUE DATE: 03/18/2003  
TITLE: DISPLAY DEVICE

SERIAL NUMBER: 09481324 FILING DATE: 01/11/2000  
PATENT NUMBER: 6531819 ISSUE DATE: 03/11/2003  
TITLE: SURFACE DISCHARGE PLASMA DISPLAY PANEL

SERIAL NUMBER: 09488018 FILING DATE: 01/20/2000  
PATENT NUMBER: 6353292 ISSUE DATE: 03/05/2002  
TITLE: PLASMA DISPLAY PANEL

SERIAL NUMBER: 09490067 FILING DATE: 01/24/2000  
PATENT NUMBER: 6296539 ISSUE DATE: 10/02/2001  
TITLE: METHOD OF MAKING PLASMA DISPLAY PANEL WITH DIELECTRIC LAYER  
SUPPRESSING REDUCED ELECTRODE CONDUCTIVITY

SERIAL NUMBER: 09537345 FILING DATE: 03/29/2000  
PATENT NUMBER: 6714175 ISSUE DATE: 03/30/2004  
TITLE: PLASMA DISPLAY PANEL AND METHOD FOR DRIVING THE PANEL

SERIAL NUMBER: 09537757 FILING DATE: 03/30/2000  
PATENT NUMBER: 6724356 ISSUE DATE: 04/20/2004  
TITLE: PLASMA DISPLAY UNIT

SERIAL NUMBER: 09553745 FILING DATE: 04/20/2000  
PATENT NUMBER: 6674236 ISSUE DATE: 01/06/2004  
TITLE: GAS-DISCHARGE DISPLAY PANEL AND PROCESS FOR MANUFACTURING THE  
DISPLAY PANEL

SERIAL NUMBER: 09559633 FILING DATE: 04/28/2000  
PATENT NUMBER: 6822644 ISSUE DATE: 11/23/2004  
TITLE: METHOD AND CIRCUIT FOR DRIVING CAPACITIVE LOAD

SERIAL NUMBER: 09560870 FILING DATE: 04/28/2000  
PATENT NUMBER: 6249087 ISSUE DATE: 06/19/2001

SERIAL NUMBER: 09563136  
PATENT NUMBER: 6376986  
TITLE: PLASMA DISPLAY PANEL

FILING DATE: 05/02/2000  
ISSUE DATE: 04/23/2002

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SERIAL NUMBER: 09563884 FILING DATE: 05/03/2000  
PATENT NUMBER: 6522070 ISSUE DATE: 02/18/2003  
TITLE: PLASMA DISPLAY PANEL PROVIDED WITH A DISCHARGE ELECTRIC FIELD  
INCREASING MEMBER AND/OR A DISCHARGE ELECTRIC FIELD CONTROLLER

SERIAL NUMBER: 09569472 FILING DATE: 05/12/2000  
PATENT NUMBER: 6297590 ISSUE DATE: 10/02/2001  
TITLE: SURFACE DISCHARGE PLASMA DISPLAY PANEL

SERIAL NUMBER: 09595911 FILING DATE: 06/20/2000  
PATENT NUMBER: 6593693 ISSUE DATE: 07/15/2003  
TITLE: PLASMA DISPLAY PANEL WITH REDUCED PARASITIC CAPACITANCE

SERIAL NUMBER: 09606434 FILING DATE: 06/28/2000  
PATENT NUMBER: 6686912 ISSUE DATE: 02/03/2004  
TITLE: DRIVING APPARATUS AND METHOD, PLASMA DISPLAY APPARATUS, AND POWER  
SUPPLY CIRCUIT FOR PLASMA DISPLAY PANEL

SERIAL NUMBER: 09654894 FILING DATE: 09/05/2000  
PATENT NUMBER: 6861803 ISSUE DATE: 03/01/2005  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 09659775 FILING DATE: 09/11/2000  
PATENT NUMBER: 6498431 ISSUE DATE: 12/24/2002  
TITLE: DISPLAY PANEL

SERIAL NUMBER: 09660336 FILING DATE: 09/12/2000  
PATENT NUMBER: 6485596 ISSUE DATE: 11/26/2002  
TITLE: THREE-DIMENSIONAL STRUCTURE TRANSFER METHOD AND APPARATUS

SERIAL NUMBER: 09690832 FILING DATE: 10/18/2000  
PATENT NUMBER: 6394163 ISSUE DATE: 05/28/2002  
TITLE: APPARATUS FOR FORMING PHOSPHOR LAYERS OF PLASMA DISPLAY PANEL

SERIAL NUMBER: 09716333 FILING DATE: 11/21/2000  
PATENT NUMBER: 6334802 ISSUE DATE: 01/01/2002  
TITLE: ELECTRODE FOR A DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME

SERIAL NUMBER: 09719483 FILING DATE: 12/13/2000  
PATENT NUMBER: 6333142 ISSUE DATE: 12/25/2001  
TITLE: MASTER FOR BARRIER RIB TRANSFER MOLD, AND METHOD FOR FORMING  
BARRIER RIBS OF PLASMA DISPLAY PANEL USING THE SAME

SERIAL NUMBER: 09729092 FILING DATE: 12/05/2000

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TITLE: METHOD AND DEVICE FOR DRIVING AC TYPE PDP

SERIAL NUMBER: 09729318

FILING DATE: 12/05/2000

PATENT NUMBER: 6545423

ISSUE DATE: 04/08/2003

TITLE: APPLIED VOLTAGE SETTING METHOD AND DRIVE METHOD OF PLASMA DISPLAY PANEL

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SERIAL NUMBER: 09763572

FILING DATE: 02/26/2001

PATENT NUMBER: 6713959

ISSUE DATE: 03/30/2004

TITLE: PLASMA DISPLAY PANEL AND METHOD FOR FABRICATING THE SAME

SERIAL NUMBER: 09770294

FILING DATE: 01/29/2001

PATENT NUMBER: 6562552

ISSUE DATE: 05/13/2003

TITLE: METHOD OF MANUFACTURING PANEL ASSEMBLY USED TO ASSEMBLE DISPLAY PANEL AND TRANSFER MATERIAL SHEET

SERIAL NUMBER: 09803994

FILING DATE: 03/13/2001

PATENT NUMBER: 6784858

ISSUE DATE: 08/31/2004

TITLE: DRIVING METHOD AND DRIVING CIRCUIT OF PLASMA DISPLAY PANEL

SERIAL NUMBER: 09804033

FILING DATE: 03/13/2001

PATENT NUMBER: 6853359

ISSUE DATE: 02/08/2005

TITLE: DATA CONVERSION METHOD FOR DISPLAYING AN IMAGE

SERIAL NUMBER: 09825041

FILING DATE: 04/04/2001

PATENT NUMBER: 6469452

ISSUE DATE: 10/22/2002

TITLE: PLASMA DISPLAY PANEL AND ITS DRIVING METHOD

SERIAL NUMBER: 09826902

FILING DATE: 04/06/2001

PATENT NUMBER: 6482575

ISSUE DATE: 11/19/2002

TITLE: METHOD OF PREPARING BARRIER RIB MASTER PATTERN FOR BARRIER RIB TRANSFER AND METHOD OF FORMING BARRIER RIBS

SERIAL NUMBER: 09904833

FILING DATE: 07/16/2001

PATENT NUMBER: 6747614

ISSUE DATE: 06/08/2004

TITLE: DRIVING METHOD OF PLASMA DISPLAY PANEL AND DISPLAY DEVICES

SERIAL NUMBER: 09920939

FILING DATE: 08/03/2001

PATENT NUMBER: 6646377

ISSUE DATE: 11/11/2003

TITLE: ELECTRODE STRUCTURE FOR PLASMA DISPLAY PANEL

SERIAL NUMBER: 09949086

FILING DATE: 09/10/2001

PATENT NUMBER: 6833823

ISSUE DATE: 12/21/2004

TITLE: METHOD AND DEVICE FOR DRIVING AC TYPE PDP

SERIAL NUMBER: 09981970

FILING DATE: 10/19/2001

PATENT NUMBER: 6753833

ISSUE DATE: 06/22/2004

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SERIAL NUMBER: 09988207 FILING DATE: 11/19/2001  
PATENT NUMBER: 6897835 ISSUE DATE: 05/24/2005  
TITLE: METHOD PROVIDING PREDETERMINED DISPLAY QUALITY OF COLOR IMAGES  
REGARDLESS OF TYPE OF INPUT IMAGE

SERIAL NUMBER: 09993650 FILING DATE: 11/27/2001  
PATENT NUMBER: 6838824 ISSUE DATE: 01/04/2005  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 09994791 FILING DATE: 11/28/2001  
PATENT NUMBER: 6720940 ISSUE DATE: 04/13/2004  
TITLE: METHOD AND DEVICE FOR DRIVING PLASMA DISPLAY PANEL

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SERIAL NUMBER: 08095427 FILING DATE: 07/23/1993  
PATENT NUMBER: 5436634 ISSUE DATE: 07/25/1995  
TITLE: PLASMA DISPLAY PANEL DEVICE AND METHOD OF DRIVING THE SAME

SERIAL NUMBER: 10021083 FILING DATE: 12/19/2001  
PATENT NUMBER: 6525486 ISSUE DATE: 02/25/2003  
TITLE: METHOD AND DEVICE FOR DRIVING AN AC TYPE PDP

SERIAL NUMBER: 10051103 FILING DATE: 01/22/2002  
PATENT NUMBER: 6577062 ISSUE DATE: 06/10/2003  
TITLE: PLASMA DISPLAY PANEL

SERIAL NUMBER: 10077766 FILING DATE: 02/20/2002  
PATENT NUMBER: 6768485 ISSUE DATE: 07/27/2004  
TITLE: COLOR IMAGE DISPLAY DEVICE

SERIAL NUMBER: 10082165 FILING DATE: 02/26/2002  
PATENT NUMBER: 6650062 ISSUE DATE: 11/18/2003  
TITLE: PLASMA DISPLAY PANEL AND METHOD FOR MANUFACTURING THE SAME

SERIAL NUMBER: 09478489 FILING DATE: 01/06/2000  
PATENT NUMBER: 6417835 ISSUE DATE: 07/09/2002  
TITLE: DISPLAY DRIVING METHOD AND APPARATUS

SERIAL NUMBER: 10095580 FILING DATE: 03/13/2002  
PATENT NUMBER: 6563486 ISSUE DATE: 05/13/2003  
TITLE: DISPLAY DRIVING METHOD AND APPARATUS

SERIAL NUMBER: 10123205 FILING DATE: 04/17/2002  
PATENT NUMBER: 6514111 ISSUE DATE: 02/04/2003  
TITLE: PLASMA DISPLAY PANEL HAVING A DIELECTRIC LAYER OF A REDUCED  
THICKNESS IN A SEALING PORTION

SERIAL NUMBER: 10265314 FILING DATE: 10/07/2002  
PATENT NUMBER: 6601629 ISSUE DATE: 08/05/2003  
TITLE: THREE-DIMENSIONAL STRUCTURE TRANSFER METHOD AND APPARATUS

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SERIAL NUMBER: 10289245 FILING DATE: 11/07/2002  
PATENT NUMBER: 6850007 ISSUE DATE: 02/01/2005  
TITLE: PLASMA DISPLAY PANEL ASSEMBLY AND METHOD FOR MANUFACTURING THE SAME

SERIAL NUMBER: 10335413 FILING DATE: 01/03/2003  
PATENT NUMBER: 6833673 ISSUE DATE: 12/21/2004  
TITLE: PLASMA DISPLAY PANEL AND METHOD FOR MANUFACTURING THE SAME

SERIAL NUMBER: 10335864 FILING DATE: 01/03/2003  
PATENT NUMBER: 6888316 ISSUE DATE: 05/03/2005  
TITLE: METHOD FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 10355023 FILING DATE: 01/31/2003  
PATENT NUMBER: 6870314 ISSUE DATE: 03/22/2005  
TITLE: PANEL ASSEMBLY FOR PDP AND MANUFACTURING METHOD THEREOF

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SERIAL NUMBER: 10372171 FILING DATE: 02/25/2003  
PATENT NUMBER: 6653793 ISSUE DATE: 11/25/2003  
TITLE: PLASMA DISPLAY DEVICE AND METHOD FOR SETTING DRIVE OPERATION

SERIAL NUMBER: 10463341 FILING DATE: 06/18/2003  
PATENT NUMBER: 6909241 ISSUE DATE: 06/21/2005  
TITLE: METHOD OF DRIVING PLASMA DISPLAY PANEL AND PLASMA DISPLAY DEVICE

SERIAL NUMBER: 10842432 FILING DATE: 05/11/2004  
PATENT NUMBER: 6861797 ISSUE DATE: 03/01/2005  
TITLE: GREEN PHOSPHOR AND DEVICE USING THE SAME

SERIAL NUMBER: 09104672 FILING DATE: 06/25/1998  
PATENT NUMBER: 6191530 ISSUE DATE: 02/20/2001  
TITLE: ELECTRODE FOR A DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME

SERIAL NUMBER: 09127335 FILING DATE: 07/31/1998  
PATENT NUMBER: 6156141 ISSUE DATE: 12/05/2000  
TITLE: METHOD FOR FORMING PHOSPHOR LAYERS OF PLASMA DISPLAY PANEL

SERIAL NUMBER: 07156743 FILING DATE: 02/18/1988  
PATENT NUMBER: 4926095 ISSUE DATE: 05/15/1990  
TITLE: THREE-COMPONENT GAS MIXTURE FOR FLUORESCENT GAS-DISCHARGE COLOR  
DISPLAY PANEL

SERIAL NUMBER: 09157500 FILING DATE: 09/21/1998  
PATENT NUMBER: 6084558 ISSUE DATE: 07/04/2000  
TITLE: DRIVING METHOD FOR PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08188756 FILING DATE: 01/31/1994  
PATENT NUMBER: 5446344 ISSUE DATE: 08/29/1995  
TITLE: METHOD AND APPARATUS FOR DRIVING SURFACE DISCHARGE PLASMA DISPLAY

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SERIAL NUMBER: 08188902  
PATENT NUMBER: 5583527  
TITLE: FLAT DISPLAY

FILING DATE: 01/31/1994  
ISSUE DATE: 12/10/1996

SERIAL NUMBER: 09196110  
PATENT NUMBER: 6288489

FILING DATE: 11/20/1998  
ISSUE DATE: 09/11/2001

TITLE: A PLASMA DISPLAY DEVICE HAVING A HEAT CONDUCTING PLATE IN THE MAIN FRAME

SERIAL NUMBER: 09227082  
PATENT NUMBER: 6456263

FILING DATE: 01/05/1999  
ISSUE DATE: 09/24/2002

TITLE: METHOD FOR DRIVING A GAS ELECTRIC DISCHARGE DEVICE

SERIAL NUMBER: 09233932  
PATENT NUMBER: 6256002

FILING DATE: 01/20/1999  
ISSUE DATE: 07/03/2001

TITLE: METHOD FOR DRIVING A PLASMA DISPLAY PANEL

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SERIAL NUMBER: 09248107 FILING DATE: 02/11/1999  
PATENT NUMBER: 6087779 ISSUE DATE: 07/11/2000  
TITLE: METHOD OF DRIVING PLASMA DISPLAY AND PLASMA DISPLAY APPARATUS USING  
THE METHOD

SERIAL NUMBER: 09251919 FILING DATE: 02/17/1999  
PATENT NUMBER: 6288714 ISSUE DATE: 09/11/2001  
TITLE: PLASMA DISPLAY WITH IMPROVED REACTIVATION CHARACTERISTIC, DRIVING  
METHOD FOR PLASMA DISPLAY, WAVE GENERATING CIRCUIT WITH REDUCED  
MEMORY CAPACITY, AND PLANAR MATRIX TYPE DISPLAY USING WAVE  
GENERATING CIRCUIT

SERIAL NUMBER: 09288696 FILING DATE: 04/09/1999  
PATENT NUMBER: 6159066 ISSUE DATE: 12/12/2000  
TITLE: GLASS MATERIAL USED IN, AND FABRICATION METHOD OF, A PLASMA DISPLAY  
PANEL

SERIAL NUMBER: 09358117 FILING DATE: 07/21/1999  
PATENT NUMBER: 6104362 ISSUE DATE: 08/15/2000  
TITLE: PANEL DISPLAY IN WHICH THE NUMBER OF SUSTAINING DISCHARGE PULSES IS  
ADJUSTED ACCORDING TO THE QUANTITY OF DISPLAY DATA, AND A DRIVING  
METHOD FOR THE PANEL DISPLAY

SERIAL NUMBER: 08367971 FILING DATE: 12/29/1994  
PATENT NUMBER: 5874932 ISSUE DATE: 02/23/1999  
TITLE: PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08405920 FILING DATE: 03/16/1995  
PATENT NUMBER: 5541618 ISSUE DATE: 07/30/1996  
TITLE: METHOD AND A CIRCUIT FOR GRADATIONALLY DRIVING A FLAT DISPLAY DEVICE

SERIAL NUMBER: 08412137 FILING DATE: 03/28/1995  
PATENT NUMBER: 5745085 ISSUE DATE: 04/28/1998  
TITLE: DISPLAY PANEL AND DRIVING METHOD FOR DISPLAY PANEL

SERIAL NUMBER: 08443038 FILING DATE: 05/17/1995  
PATENT NUMBER: 5786794 ISSUE DATE: 07/28/1998  
TITLE: DRIVER FOR FLAT DISPLAY PANEL

SERIAL NUMBER: 08458288 FILING DATE: 06/02/1995  
PATENT NUMBER: 5674553 ISSUE DATE: 10/07/1997  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08469815 FILING DATE: 06/06/1995  
PATENT NUMBER: 5661500 ISSUE DATE: 08/26/1997  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08488201 FILING DATE: 06/07/1995  
PATENT NUMBER: 5943032 ISSUE DATE: 08/24/1999  
TITLE: METHOD AND APPARATUS FOR CONTROLLING THE GRAY SCALE OF PLASMA  
DISPLAY DEVICE

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SERIAL NUMBER: 08544590 FILING DATE: 10/18/1995  
PATENT NUMBER: 5956014 ISSUE DATE: 09/21/1999  
TITLE: BRIGHTNESS CONTROL AND POWER CONTROL OF DISPLAY DEVICE

SERIAL NUMBER: 08598186 FILING DATE: 03/07/1996  
PATENT NUMBER: 5835072 ISSUE DATE: 11/10/1998  
TITLE: DRIVING METHOD FOR PLASMA DISPLAY PERMITTING IMPROVED GRAY-SCALE  
DISPLAY, AND PLASMA DISPLAY

SERIAL NUMBER: 08608526 FILING DATE: 02/28/1996  
PATENT NUMBER: 6069609 ISSUE DATE: 05/30/2000  
TITLE: IMAGE PROCESSOR USING BOTH DITHER AND ERROR DIFFUSION TO PRODUCE  
HALF- TONE IMAGES WITH LESS FLICKER AND PATTERNS

SERIAL NUMBER: 08618270 FILING DATE: 03/18/1996  
PATENT NUMBER: 5663741 ISSUE DATE: 09/02/1997  
TITLE: CONTROLLER OF PLASMA DISPLAY PANEL AND METHOD OF CONTROLLING THE  
SAME

SERIAL NUMBER: 08619243 FILING DATE: 03/21/1996  
PATENT NUMBER: 5846110 ISSUE DATE: 12/08/1998  
TITLE: METHOD OF MANUFACTURING PLASMA DISPLAY PANELS WITH CONVEX SURFACE

SERIAL NUMBER: 08624054 FILING DATE: 03/29/1996  
PATENT NUMBER: 6023258 ISSUE DATE: 02/08/2000  
TITLE: FLAT DISPLAY

SERIAL NUMBER: 08641894 FILING DATE: 05/02/1996  
PATENT NUMBER: 6100859 ISSUE DATE: 08/08/2000  
TITLE: PANEL DISPLAY ADJUSTING NUMBER OF SUSTAINING DISCHARGE PULSES  
ACCORDING TO THE QUANTITY OF DISPLAY DATA

SERIAL NUMBER: 08654261 FILING DATE: 05/28/1996  
PATENT NUMBER: 5818419 ISSUE DATE: 10/06/1998  
TITLE: DISPLAY DEVICE AND METHOD FOR DRIVING THE SAME

SERIAL NUMBER: 08661024 FILING DATE: 06/10/1996  
PATENT NUMBER: 5654728 ISSUE DATE: 08/05/1997  
TITLE: AC PLASMA DISPLAY UNIT AND ITS DEVICE CIRCUIT

SERIAL NUMBER: 08661065 FILING DATE: 06/10/1996  
PATENT NUMBER: 6002381 ISSUE DATE: 12/14/1999  
TITLE: PLASMA DISPLAY WITH IMPROVED REACTIVATION CHARACTERISTIC, DRIVING  
METHOD FOR PLASMA DISPLAY, WAVE GENERATING CIRCUIT WITH REDUCED  
MEMORY CAPACITY, AND PLANAR MATRIX TYPE DISPLAY USING WAVE  
GENERATING CIRCUIT

SERIAL NUMBER: 08667515 FILING DATE: 06/21/1996

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TITLE: DRIVE UNIT FOR PLANAR DISPLAY

SERIAL NUMBER: 08674161

FILING DATE: 07/01/1996

PATENT NUMBER: 5724054

ISSUE DATE: 03/03/1998

TITLE: METHOD AND A CIRCUIT FOR GRADATIONALLY DRIVING A FLAT DISPLAY DEVICE

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SERIAL NUMBER: 08674776

FILING DATE: 06/28/1996

PATENT NUMBER: 6107978

ISSUE DATE: 08/22/2000

TITLE: PLASMA DISPLAY HAVING VARIABLE SCAN LINE PULSES TO REDUCE FLICKERING

SERIAL NUMBER: 08689591

FILING DATE: 08/12/1996

PATENT NUMBER: 5952782

ISSUE DATE: 09/14/1999

TITLE: SURFACE DISCHARGE PLASMA DISPLAY INCLUDING LIGHT SHIELDING FILM BETWEEN ADJACENT ELECTRODE PAIRS

SERIAL NUMBER: 08690038

FILING DATE: 07/31/1996

PATENT NUMBER: 6373452

ISSUE DATE: 04/16/2002

TITLE: PLASMA DISPLAY PANEL, METHOD OF DRIVING SAME AND PLASMA DISPLAY APPARATUS

SERIAL NUMBER: 08694760

FILING DATE: 08/09/1996

PATENT NUMBER: 5825128

ISSUE DATE: 10/20/1998

TITLE: PLASMA DISPLAY PANEL WITH UNDULATING SEPARATOR WALLS

SERIAL NUMBER: 08695061

FILING DATE: 08/02/1996

PATENT NUMBER: 6140984

ISSUE DATE: 10/31/2000

TITLE: METHOD OF OPERATING A PLASMA DISPLAY PANEL AND A PLASMA DISPLAY DEVICE USING SUCH A METHOD

SERIAL NUMBER: 08702064

FILING DATE: 08/23/1996

PATENT NUMBER: 6222512

ISSUE DATE: 04/24/2001

TITLE: INTRAFRAME TIME-DIVISION MULTIPLEXING TYPE DISPLAY DEVICE AND A METHOD OF DISPLAYING GRAY-SCALES IN AN INTRAFRAME TIME-DIVISION MULTIPLEXING TYPE DISPLAY DEVICE

SERIAL NUMBER: 06712148

FILING DATE: 03/15/1985

PATENT NUMBER: 4737687

ISSUE DATE: 04/12/1988

TITLE: METHOD FOR DRIVING A GAS DISCHARGE PANEL

SERIAL NUMBER: 06724276

FILING DATE: 04/17/1985

PATENT NUMBER: 4684849

ISSUE DATE: 08/04/1987

TITLE: METHOD FOR DRIVING A GAS DISCHARGE DISPLAY PANEL

SERIAL NUMBER: 08733008

FILING DATE: 10/16/1996

PATENT NUMBER: 6295040

ISSUE DATE: 09/25/2001

TITLE: AN AC-TYPE PLASMA DISPLAY PANEL AND ITS DRIVING METHOD

SERIAL NUMBER: 08735750

FILING DATE: 10/23/1996

PATENT NUMBER: 6144364

ISSUE DATE: 11/07/2000

TITLE: DISPLAY DRIVING METHOD AND APPARATUS

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SERIAL NUMBER: 08754314 FILING DATE: 11/21/1996  
PATENT NUMBER: 5990617 ISSUE DATE: 11/23/1999  
TITLE: PLASMA DISPLAY PANEL AND METHOD OF FORMING BARRIER RIBS FOR THE SAME

SERIAL NUMBER: 08755658 FILING DATE: 11/25/1996  
PATENT NUMBER: 5791960 ISSUE DATE: 08/11/1998  
TITLE: DISPLAY DEVICE AND FABRICATION METHOD THEREFOR

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SERIAL NUMBER: 08758454 FILING DATE: 11/29/1996  
PATENT NUMBER: 5973655 ISSUE DATE: 10/26/1999  
TITLE: FLAT DISPLAY

SERIAL NUMBER: 08789302 FILING DATE: 01/30/1997  
PATENT NUMBER: 5952036 ISSUE DATE: 09/14/1999  
TITLE: FLUORESCENT LAYER FORMATION PROCESS

SERIAL NUMBER: 08789667 FILING DATE: 01/27/1997  
PATENT NUMBER: 5921836 ISSUE DATE: 07/13/1999  
TITLE: APPARATUS FOR FORMING FLUORESCENT LAYERS OF A PLASMA DISPLAY PANEL  
AND METHOD THEREFOR

SERIAL NUMBER: 08791771 FILING DATE: 01/29/1997  
PATENT NUMBER: 6048243 ISSUE DATE: 04/11/2000  
TITLE: METHOD OF FORMING BARRIER RIBS OF DISPLAY PANEL

SERIAL NUMBER: 08800759 FILING DATE: 02/13/1997  
PATENT NUMBER: 6195070 ISSUE DATE: 02/27/2001  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08812044 FILING DATE: 03/06/1997  
PATENT NUMBER: 6242860 ISSUE DATE: 06/05/2001  
TITLE: PLASMA DISPLAY PANEL AND METHOD OF MANUFACTURING SAME

SERIAL NUMBER: 08812046 FILING DATE: 03/06/1997  
PATENT NUMBER: 5860843 ISSUE DATE: 01/19/1999  
TITLE: METHOD OF MANUFACTURING A PLASMA DISPLAY PANEL

SERIAL NUMBER: 08813485 FILING DATE: 03/07/1997  
PATENT NUMBER: 5952986 ISSUE DATE: 09/14/1999  
TITLE: DRIVING METHOD OF AN AC-TYPE PDP AND THE DISPLAY DEVICE

SERIAL NUMBER: 08816684 FILING DATE: 03/13/1997  
PATENT NUMBER: 6624798 ISSUE DATE: 09/23/2003  
TITLE: DISPLAY APPARATUS WITH FLAT DISPLAY PANEL

SERIAL NUMBER: 08828294 FILING DATE: 03/21/1997  
PATENT NUMBER: 5938494 ISSUE DATE: 08/17/1999  
TITLE: METHOD FOR PRODUCING A PLASMA DISPLAY PANEL

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SERIAL NUMBER: 08841607 FILING DATE: 04/30/1997  
PATENT NUMBER: 6181305 ISSUE DATE: 01/30/2001  
TITLE: METHOD FOR DRIVING AN AC TYPE SURFACE DISCHARGE PLASMA DISPLAY PANEL

SERIAL NUMBER: 08851703 FILING DATE: 05/06/1997  
PATENT NUMBER: 6034482 ISSUE DATE: 03/07/2000  
TITLE: METHOD AND APPARATUS FOR DRIVING PLASMA DISPLAY PANEL

SERIAL NUMBER: 08865124 FILING DATE: 05/30/1997  
PATENT NUMBER: 5898414 ISSUE DATE: 04/27/1999  
TITLE: DISPLAY METHOD FOR INTERMEDIATE GRAY SCALE AND DISPLAY APPARATUS  
FOR EXPRESSING INTERMEDIATE GRAY SCALE

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SERIAL NUMBER: 08869227 FILING DATE: 06/04/1997  
PATENT NUMBER: 6052105 ISSUE DATE: 04/18/2000  
TITLE: WAVE GENERATION CIRCUIT FOR READING ROM DATA AND GENERATING WAVE  
SIGNALS AND FLAT MATRIX DISPLAY APPARATUS USING THE SAME CIRCUIT

SERIAL NUMBER: 08887371 FILING DATE: 07/02/1997  
PATENT NUMBER: 6288692 ISSUE DATE: 09/11/2001  
TITLE: PLASMA DISPLAY FOR HIGH-CONTRAST INTERLACING DISPLAY AND DRIVING  
METHOD THEREFOR

SERIAL NUMBER: 08888442 FILING DATE: 07/03/1997  
PATENT NUMBER: 6097357 ISSUE DATE: 08/01/2000  
TITLE: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE

SERIAL NUMBER: 08889195 FILING DATE: 07/08/1997  
PATENT NUMBER: 6039622 ISSUE DATE: 03/21/2000  
TITLE: A METHOD OF FORMING BARRIER RIBS FOR A DISPLAY PANEL

SERIAL NUMBER: 08906111 FILING DATE: 08/05/1997  
PATENT NUMBER: 6144348 ISSUE DATE: 11/07/2000  
TITLE: PLASMA DISPLAY PANEL HAVING DEDICATED PRIMING ELECTRODES OUTSIDE  
DISPLAY AREA AND DRIVING METHOD FOR SAME PANEL

SERIAL NUMBER: 08914229 FILING DATE: 08/19/1997  
PATENT NUMBER: 5844373 ISSUE DATE: 12/01/1998  
TITLE: POWER SUPPLYING APPARATUS, A PLASMA DISPLAY UNIT, A METHOD OF  
CONVERTING A DIRECT-CURRENT VOLTAGE AND A METHOD OF ADDING TWO  
DIRECT- CURRENT VOLTAGES

SERIAL NUMBER: 08917332 FILING DATE: 08/25/1997  
PATENT NUMBER: 6160529 ISSUE DATE: 12/12/2000  
TITLE: METHOD OF DRIVING PLASMA DISPLAY PANEL, AND DISPLAY APPARATUS USING  
THE SAME

SERIAL NUMBER: 08917511 FILING DATE: 08/26/1997  
PATENT NUMBER: 5985069 ISSUE DATE: 11/16/1999

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SERIAL NUMBER: 08925072 FILING DATE: 09/08/1997  
PATENT NUMBER: 6278421 ISSUE DATE: 08/21/2001  
TITLE: METHOD AND APPARATUS FOR CONTROLLING POWER CONSUMPTION OF DISPLAY  
UNIT, DISPLAY SYSTEM EQUIPPED WITH THE SAME, AND STORAGE MEDIUM  
WITH PROGRAM STORED THEREIN FOR IMPLEMENTING THE SAME

SERIAL NUMBER: 08941107 FILING DATE: 09/30/1997  
PATENT NUMBER: 6072448 ISSUE DATE: 06/06/2000  
TITLE: PLASMA DISPLAY DEVICE DRIVEN IN A SUBFRAME MODE

SERIAL NUMBER: 08962657 FILING DATE: 11/03/1997  
PATENT NUMBER: 6129827 ISSUE DATE: 10/10/2000  
TITLE: PROCESS AND APPARATUS FOR FORMING FLUORESCENT LAYER ON A SUBSTRATE  
FOR DISPLAY PANEL

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SERIAL NUMBER: 08963828 FILING DATE: 11/04/1997  
PATENT NUMBER: 6242864 ISSUE DATE: 06/05/2001  
TITLE: PLASMA DISPLAY PANEL WITH INSULATING LAYER HAVING SPECIFIC  
CHARACTERISTICS

SERIAL NUMBER: 07995293 FILING DATE: 12/21/1992  
PATENT NUMBER: 5420602 ISSUE DATE: 05/30/1995  
TITLE: METHOD AND APPARATUS FOR DRIVING DISPLAY PANEL

STEVEN POST, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
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Tokyo, Japan

3. Nature of conveyance:

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Execution Date(s): October 18, 2005

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

OR

☒ This document is being filed after filing of the application:

(a) Patent Application No(s). See Attached List

(b) Patent No(s). See Attached List

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS &amp; HALSEY LLP

Our Docket: 1861,1001Attention: H. J. Staas

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005

6. Total number of applications and patents involved: 209

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application In Assignment)

☐ Enclosed  
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8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

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Revised January, 2005

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CIT 8-2350 00 193935 09460459

## Annex-1

Country	Application No.
US	09/460459
US	09/468639
US	09/548362
US	09/593424
US	09/776930
US	09/778919
US	09/818499
US	09/875284
US	09/951749
US	09/966510
US	09/974806
US	09/989117
US	10/028367
US	10/028442
US	10/057870
US	10/188858
US	10/345337
US	10/347411
US	10/386664
US	10/438199
US	10/453488
US	10/459608
US	10/459610
US	10/617227
US	10/634830
US	10/642180
US	10/698408
US	10/748328
US	10/765854
US	10/799663
US	10/807335
US	10/810661
US	10/810815
US	10/814284
US	10/846754
US	10/869852
US	10/898335
US	10/902813
US	10/968274
US	10/999060

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Country	Application No.
US	10/999068
US	10/999076
US	11/089351
US	188760
US	384371

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## Annex-2

Country	Application No.	Patent No.
US	012546	6057643
US	017669	6054970
US	035923	6144349
US	039243	6020687
US	042849	6012388
US	045043	6097358
US	046569	6211614
US	052926	6242859
US	069145	6400342
US	078443	5967872
US	08/892264	6344713
US	082935	5989089
US	087503	6236159
US	088679	6050107
US	09/013538	6522314
US	09/096569	6157128
US	09/115911	6512501
US	09/119592	6538380
US	09/135101	6531995
US	09/160292	6803446
US	09/181648	6836187
US	09/236581	6337538
US	09/243682	6727869
US	09/250433	6326938
US	09/257199	6495957
US	09/261961	6489939
US	09/282190	6278422
US	09/289579	6450849
US	09/289583	6600265
US	09/290222	6200182
US	09/310204	6608609
US	09/313377	6496164
US	09/334823	6707436
US	09/339199	6827623
US	09/348162	6559814
US	09/375007	6847415
US	09/421402	6429834
US	09/427934	6680718
US	09/434114	6498593
US	09/435856	6249265

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Country	Application No.	Patent No.
US	09/438783	6452590
US	09/440704	6836261
US	09/451351	6630916
US	09/458809	6535224
US	09/481324	6531819
US	09/488018	6353292
US	09/490067	6296539
US	09/537345	6714175
US	09/537757	6724356
US	09/553745	6674238
US	09/559633	6822644
US	09/560870	6249087
US	09/563136	6376986
US	09/563884	6522070
US	09/569472	6297590
US	09/595911	6593693
US	09/606434	6686912
US	09/654894	6861803
US	09/659775	6498431
US	09/660336	6485596
US	09/690832	6394163
US	09/716333	6334802
US	09/719483	6333142
US	09/729092	6369514
US	09/729318	6545423
US	09/763572	6713959
US	09/770294	6562552
US	09/803994	6784858
US	09/804033	6853359
US	09/825041	6469452
US	09/826902	6482575
US	09/904833	6747614
US	09/920939	6646377
US	09/949086	6833823
US	09/981970	6753833
US	09/988207	6897835
US	09/993650	6838824
US	09/994791	6720940
US	096427	5436634
US	10/021083	6525486
US	10/051103	6577062

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Country	Application No.	Patent No.
US	10/077766	6768485
US	10/082165	6650062
US	10/095580	6417835
US	10/095580	6563486
US	10/123205	6514111
US	10/265314	6601628
US	10/289245	6850007
US	10/335413	6833673
US	10/335864	6888316
US	10/355023	6870314
US	10/372171	6663793
US	10/463341	6909241
US	10/842432	6861797
US	104672	6191530
US	127335	6156141
US	156743	4926095
US	157500	6084558
US	188758	5446344
US	188902	5583527
US	196110	6288489
US	227082	6456263
US	233932	6256002
US	248107	6087779
US	251919	6288714
US	288696	6159066
US	358117	6104362
US	367971	5874932
US	405920	5541618
US	412137	5745085
US	443038	5786794
US	458288	5674553
US	469815	5661500
US	488201	5943032
US	544590	5956014
US	598186	5835072
US	608526	6069609
US	618270	5663741
US	619243	5846110
US	624054	6023258
US	641894	6100859
US	654261	5818410

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Country	Application No.	Patent No.
US	661024	5654728
US	661065	6002381
US	667515	5828353
US	674161	5724054
US	674776	6107978
US	689591	5952782
US	690038	6373452
US	694760	5825728
US	695061	6140984
US	702064	6222512
US	712148	4737887
US	724276	4684849
US	733008	6295040
US	735750	6144364
US	754314	5990617
US	755658	5791960
US	758454	5973655
US	789302	5952036
US	789667	5921836
US	791771	6048243
US	800759	6195070
US	812044	6242860
US	812046	5860843
US	813485	5952986
US	816684	6624798
US	828294	5938494
US	841607	6181305
US	851703	6034482
US	865124	5898414
US	869227	6052105
US	887371	6288692
US	888442	6097357
US	889195	6039822
US	906111	6144348
US	914229	5844373
US	917332	6160529
US	917511	5985089
US	925072	6278421
US	941107	6072448
US	962657	6129827
US	983828	6242864

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Country	Application No.	Patent No.
US	995293	5420602

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US Co-ownership  
1/2

(2)

## Assignment

Whereas, Fujitsu Limited, of 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan, hereinafter referred to as "Assignor", holds the co-ownership share in United States Patents and Applications listed on the attached "Annex"; and

Whereas, Hitachi, Ltd., of 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, hereinafter referred to as "Assignee", desires to acquire the entire right, title, and interest of the Assignor in the said U.S. Patents and Applications;

Now, therefore, in consideration of and in exchange for the sum of One Dollar (\$1.00) to it in hand paid by Assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, to Assignee, Assignor's interest in the inventions and patent applications aforesaid, and any continuations, divisionals and reissues thereof, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or legal representatives, to the end of the term or terms for which the said patents are or may be granted or reissued.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to Assignee as assignee of the interest conveyed herein, and hereby covenants that it has the full right to convey the interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

In Witness whereof, Fujitsu Limited has caused this Patent Assignment to be executed by its duly authorized officer on this 18th day of October 2005.

Fujitsu Limited

Date: October 18, 2005

By: 黒川博昭

Hiroaki Kurokawa

Title: President